

## Oak Ridge Defense ORNL D&D Project Operating Plan

### BACKGROUND

<b>Recovery Act Project:</b>	Oak Ridge Defense ORNL D&D Recovery Act Project
<b>TAFS:</b>	89-09/10-0253
<b>Project Identification Code:</b>	2002101
<b>Recovery Act Bill Reference:</b>	PL 111-5, Title IV – Energy and Water Development, Defense Environmental Cleanup (H.R. 1-26)
<b>Project Cost:</b>	\$132,610,000
<b>Budget Authority:</b>	06049, FD.04.12.00.0
<b>Program Office:</b>	Environmental Management (EM)
<b>Recovery Program Plan:</b>	EM - Defense
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### LEADS

<b>Implementation:</b>	Oak Ridge Office
<b>Breakthrough:</b>	N/A
<b>Laboratory:</b>	N/A

## I. SUMMARY & OBJECTIVES

### Summary:

This Recovery Act project supports the mission of the Department of Energy (DOE) Office of Environmental Management (EM) by demolishing surplus contaminated facilities and remediating contaminated soil at the Oak Ridge National Laboratory (ORNL), including:

By the end of the first quarter of FY 2012, the following will be completed:

- Complete high priority environmental cleanup projects, including:
  - Bethel Valley Burial Grounds (20 acres)
    - Provide for the hydraulic isolation (multi-layer cap) of two solid waste storage areas (SWSA 1 and SWSA 3). Additional actions include the removal and placement under the SWSA 3 cap of 26,000 cubic yards of hot spot soil contamination, scrap material from the Contractor's Landfill, and placement of a soil cover on the Former Waste Pile Area.
  - Melton Valley Monitoring Wells
    - Install groundwater monitoring wells to be located across the Clinch River from ORNL.

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- Complete demolition and disposition of Buildings 3026 C&D (~20K square feet) wooden superstructure and hot cells and demolition preparations of Building 3038 (~8K square feet) at the Bethel Valley Isotope Facilities.
  - 3026 Wooden Superstructure - Stabilization of the hot cells to ensure their integrity during the wooden structure D&D; removal of legacy materials; abatement of hazardous materials, and demolition and disposal of the wooden superstructure.
  - 3026 Hot Cells – Demolish the Hot Cells to complete the 3026 facility D&D actions including removal and disposal of the hot cell contents and construction debris, removal of concrete to slab or grade, and decontamination of the slab.
  - 3038 - Removal and disposition of remaining legacy materials and preparation for facility D&D including abatement of hazardous materials, facility deactivation, and removal of remaining equipment.
- Complete demolition and disposition of surplus facilities (~35K square feet) in the ORNL Small Facilities project.
  - Complete the D&D of 11 facilities including the D&D and disposal of demolition debris. The facilities list is as follows: Radiological - 3085, 3085A, 3085B, 3098, 3117A, 3119, 3508, 3541, and 3550 ; Standard Industrial - 3592 and 3102
- Complete removal action at the Tank W1A project.
  - Remove Tank W1A (an underground tank located in the Oak Ridge National Laboratory Central Campus) and surrounding contaminated soils containing transuranic isotopes in excess of the TRU waste criterion. This project also includes the packaging of the TRU soils for disposal at the Waste Isolation Pilot Project.

By the end of 2010, the following will be completed:

- Complete demolition and disposal of 3026 Wooden Superstructure.
- Continue removal and disposal of contaminated soils.
- Continue footprint reduction.
- Continue removal and disposal of legacy materials.

### Deinventory and Demolition Projects:

FIMS ID	Description	Square Feet (ft 2)	Category
3038	Isotope Development Laboratory (IDL)	7,773	Deinventory
3026C	Krypton-85 Enrichment Facility/Radioisotope Development Lab A	8,279	Demolish
3026D	Metal Segmenting Hot Cell Facility/Dismantling & Exam Hot Cells	11,563	Demolish
3085	Pump House - ORRR	2856*	Demolish
3085A	Above Ground Demineralized Water Tank	360*	Demolish

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3085B	Above Ground Demineralized Water Tank	360*	Demolish
3098	Filter Facility for LITR & Bulk Shielding Reactor	240*	Demolish
3102	Heat Exchanger No. 2- ORR	1125*	Demolish
3117A	Sulfuric Acid Tank	122*	Demolish
3119	BSR Heat Exchanger and Pump House	690*	Demolish
3508	Electrical Services	13,443	Demolish
3541	MSR Process Development Laboratory	842	Demolish
3550	Research Lab Annex	14,052	Demolish
3592	Coal Conversion Facility	1307	Demolish

\* Square footage not reported in FIMS, obtained from alternative source.

This Recovery Act work meets the following Department of Energy (DOE) and Environmental Management (EM) strategic themes and goals:

DOE Strategic Theme 4 – Environmental Responsibility – Protect the environment by providing a responsible resolution to the environmental legacy of nuclear weapons production.

DOE Strategic Goal 4.1 – Environmental Cleanup – Complete cleanup of the contaminated nuclear weapons manufacturing and testing sites across the United States.

DOE Strategic Theme 5 – Management Excellence - Enabling the Department’s mission through sound fiscal and program management.

DOE Strategic Goal 5.1 – Integrated Management – Institute an integrated business management approach throughout DOE with clear roles and responsibilities and accountability to include effective line management oversight by both Federal and contractor organizations.

EM Strategic Goals – Decontaminating and decommissioning facilities that provide no further value to reduce long-term liabilities and maximize resources for cleanup. Fulfilling commitments to reduce risk and complete cleanup across all sites for future generations.

### **Work Scope Changes:**

The original approved POP included the Bethel Valley Groundwater Early Actions project which has been moved back to the base program.

### **Buy Back Work Scope:**

- Based on the potential availability of funds from unused management reserve and contingency funds and from cost efficiencies in executing the planned projects, the

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following additional candidate projects have been identified should funding become available. Characterize soils and slabs in West Central Campus area.

- Remediate soils and remove slabs from the West Central Campus area.
- Develop “no further action” regulatory documents for National Priorities List Site boundary reduction.
- Stabilize/isolate Building 4507.
- Remove and dispose legacy material from Building 3517.
- Demolish Building 3038.
- Characterize Isotope Row Facilities.
- Perform legacy material removal/prepare for demolition/demolish excess ORNL facilities.

Performance measurement baselines, milestones, and metrics will be developed as projects are selected and definitized.

### **Public Benefits:**

This Recovery Act Project will eliminate on-site sources of contamination reducing the risk of on-going release of radioactive or other hazardous materials to the work force, public, surrounding environment

### **Recovery Act Project Impacts:**

The Oak Ridge National Laboratory footprint will be reduced by 55,000 square feet, releasing valuable real estate for modernization of the Central Campus. This includes demolition and disposal of ORNL’s high risk excess facility and stabilization of other high risk excess facilities. The acceleration of the above demolition and remediation activities will reduce the Environmental Management financial liabilities.

## **II. COST & SCHEDULE**

### **Budget:**

**Table 1: Budget Implementation Monthly Obligations (actual obligations to contractors for Apr 2009 through Feb 2010 and projected obligations to contractors for Mar 2010 through Sept 2010) (\$M)**

The Project funding is subject to re-apportionment and will be finalized by 9/30/2010; the Project Operating Plan will then be reissued with an obligations table.

**Table 2. Budget Implementation Actual and Planned Monthly Expenditures( actual costs for Apr 2009 through Feb 2010 and projected costs for Mar 2010 through Sept 2011 and then, if applicable, projected annual expenditure in FY2012) (\$M)**

The Project funding is subject to re-apportionment and will be finalized by 9/30/2010; the Project Operating Plan will then be reissued with a costs table.

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The expenditure profile in Tables 1 and 2 and the performance measures provided in Table 6 are based on the best available information about the Recovery Act requirements and pre-work authorization project definitions. Rough order of magnitude estimates have been developed to date for costs and the associated end-state performance measures. It is expected that as the detailed estimates and resource-loaded schedules (using Primavera 6.2) are developed, there will be changes to these estimates and performance measures.

This Recovery Act scope will be integrated into the Oak Ridge baseline, but tracked and reported separately and uniquely, using an approved change control process.

**Table 3: Funds Returned and Offsetting Collections (\$M)**

	<b>FY 09</b>	<b>FY 10</b>	<b>FY 11</b>	<b>FY 12</b>	<b>FY 13</b>	<b>FY 14</b>	<b>FY 15</b>
N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0

### Indirect Costs:

This work will be performed by an existing Management and Integration contractor and facility and operating contractor utilizing an approved indirect rate structure, and by non-facility and operating contractors.

The Management and Integration contractor estimated rates are:

FY 2009 15.5%, FY 2010 15.5%, and FY 2011 16.1%.

The facility and operating contractor estimated rates are:

FY 2009 28.2%, FY 2010 27.8%, and FY 2011 27.8%.

The non-facility and operating contractor's costs are assumed to be all direct costs.

Additionally, all Oak Ridge contractor indirect rates are subject to an annual audit review and require final approval by the contracting officer.

### Changes to Baseline

**Table 4: Changes to Baseline (\$M)**

Not Applicable

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### Milestones:

#### Milestones for Legacy Material Removal:

Milestone Date	Legacy Material Removal OR-0042R1.1
	Milestones will be developed after definitization of IDIQ contract baseline.

#### Milestones for Facility Demolition:

Milestone Date	Facility Demolition OR-0042R1.2
9/30/2009	3026 Wooden Structure D&D – Begin Demo of Wooden Superstructure
12/31/2009	3026 Wooden Structure D&D - Complete Demo of Wooden Superstructure
	Additional milestones will be developed after definitization of IDIQ contract baseline.

#### Milestones for Remedial Actions:

Milestone Date	Remedial Actions OR-0042R1.3
	Tank W1-A - Submit Corehole 8 D1 Removal Action Report to Regulators for Review
7/7/2011	
9/10/2010	Tank W1-A - Construction Start on Corehole 8 (EA)
6/7/2011	Tank W1-A - Removal Action Complete
10/27/2009	Melton Valley Off Site Monitoring Wells - Construction Start
5/11/2010	Melton Valley Off Site Monitoring Wells - Construction Complete
	Additional milestones will be developed after definitization of IDIQ contract baseline.

**NEPA Compliance:** The scope of work is being undertaken pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act; separate NEPA reviews are not required. The Oak Ridge Office's NEPA Compliance Officer will monitor implementation and, as necessary, determine whether future NEPA review is required.

#### Table 5: Delivery Schedule for Capital Asset Projects.

**Note:** This Recovery Act Project consists of three subprojects:

- The ORNL Defense Facility Demolition subproject is a Capital Asset Project. All scope is within the NTB validated as part of PBS OR-0042.

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- The ORNL Defense Remedial Actions subproject is a Capital Asset Project. CD-2/3 baseline has been submitted and is pending approval (as of April 2010).
- The ORNL Defense Legacy Material Removal subproject is a non-Capital Asset Project.

### III. PERFORMANCE

#### **Performance Measures:**

Performance measures provided in Table 6 are based on the best available information about Recovery Act requirements and pre-work authorization project definitions. Rough order of magnitude estimates have been developed to date for costs and the associated end-state performance measures. It is expected that there will be changes to the estimates and performance measures.

This Recovery Act scope will be integrated into the Oak Ridge baseline, but tracked and reported separately and uniquely, using an approved change control process.

**Table 6a. Overall ARRA Performance Measures and Targets**

Recovery Act Project Identification Code	2002230
Linkage To S-1 Priorities	Economic prosperity and national security and legacy (see Table 8)
Linkage to Current Program Goal (if applicable)	<p>DOE Strategic Theme 4 – Environmental Responsibility – Protect the environment by providing a responsible resolution to the environmental legacy of nuclear weapons production.</p> <p>DOE Strategic Goal 4.1 – Environmental Cleanup – Complete cleanup of the contaminated nuclear weapons manufacturing and testing sites across the United States.</p> <p>EM Strategic Goals - Decontaminating and decommissioning facilities that provide no further value to reduce long-term liabilities and maximize resources for cleanup. Fulfilling commitments to reduce risk and complete cleanup across all sites for future generations.</p>
Two-Year Outcome-Oriented Performance Measure	<p><b>By the end of FY 2011:</b></p> <ul style="list-style-type: none"><li>• Remove and dispose of 320 cubic meters contaminated soils.</li><li>• Decrease footprint by 55,000 square feet.</li><li>• Provide hydraulic isolation for 20 acres of solid waste burial grounds.</li></ul>
First Year Performance Target	<p><b>By the end of FY 2009 initiate procurement actions and/or mobilize work force to:</b></p> <ul style="list-style-type: none"><li>• Remove and dispose of contaminated soils.</li><li>• Reduce footprint.</li><li>• Cap solid waste burial grounds.</li><li>• Remove and dispose legacy materials.</li></ul>
Q3 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"><li>• 3026 Wooden Superstructure - Submit Waste Handling Plan to Core Team for Review</li><li>• 3026 Wooden Superstructure - Start Facility Stabilization</li></ul>

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	<ul style="list-style-type: none"> <li>• 3026 Wooden Superstructure - Award Demolition Subcontract</li> <li>• 3026 Wooden Superstructure - Submit Final Waste Handling Plan to Regulators</li> <li>• Burial Grounds - Post synopsis at FBO/Recovery.gov</li> <li>• Burial Grounds - Issue Remedial Design Report /Remedial Action Work Plan to Core Team for Review.</li> <li>• Small Facilities - Post synopsis at FBO/Recovery.gov</li> <li>• Begin Tank W1A Request for proposal Preparation</li> </ul>
Q4 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>• 3026 Wooden Superstructure - Start Facility Demolition</li> <li>• 3026 Wooden Superstructure - Regulators Approve Waste Handling Plan</li> <li>• 3026 Wooden Superstructure - Complete Facility Stabilization</li> <li>• Burial Grounds - Post Request for proposal on DOE website</li> <li>• Burial Grounds - Award instrument after Signature</li> <li>• Small Facilities - Post Request for Proposal on DOE website</li> </ul>
Second Year Performance Target	<p><b>By the end of FY 2010:</b></p> <ul style="list-style-type: none"> <li>• Complete demolition and disposal of 3026 Wooden Superstructure.</li> <li>• Continue removal and disposal of contaminated soils.</li> <li>• Continue footprint reduction.</li> <li>• Continue capping solid waste burial grounds.</li> <li>• Continue removal and disposal of legacy materials.</li> </ul>
Q1 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>• Tank W1A - Award Subcontract</li> <li>• Tank W1A - Initiate Safety Basis Documentation Submittals.</li> <li>• 3026 Wooden Superstructure - Complete Facility Demolition.</li> </ul>
Q2 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>• Burial Grounds - Submit Remedial Design Report /Remedial Action Work Plan to Regulators for Approval</li> <li>• Small Facilities - Award instrument after Signature</li> <li>• Burial Grounds - Regulator Approve Remedial Design Report /Remedial Action Work Plan</li> <li>• Burial Grounds - Mobilization Complete.</li> </ul>
Q3 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>• Burial Grounds - Complete Hot Spots Soil Excavation.</li> <li>• Burial Grounds – Solid Waste Storage Area 1 Remedial Action Complete.</li> <li>• Sentinel Well - Complete Melton Valley Well Installation.</li> </ul>
Q4 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>• 3026/3038 - Submit Waste Handling Plan to Core Team for Review</li> <li>• 3026/3038 - Submit Draft 3038 Safety Basis Document to DOE Review/Approval.</li> <li>• 3026/3038 - Issue 3038 Safety Basis Document to DOE for HQ Review/Approval.</li> <li>• Small Facilities - Submit Waste Handling Plan to Core Team for Review - Northeast Corner.</li> <li>• Tank W1A - Initiate and complete erection of Tank W1A weather enclosure.</li> <li>• Tank W1A - Complete Tank W1A Safety Basis Documentation Submittals.</li> </ul>
Third Year Performance Target	<p><b>By the end of FY 2011:</b></p> <ul style="list-style-type: none"> <li>• Complete footprint reduction by 55,000 square feet.</li> <li>• Complete hydraulic isolation for 20 acres of solid waste burial grounds.</li> </ul>
Q1 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>• 3026/3038 - Regulators Approve Waste Handling Plan.</li> <li>• 3026/3038 - 3038 Readiness Assessment.</li> </ul>

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	<ul style="list-style-type: none"> <li>Burial Grounds - Remedial Action Complete - Solid Waste Storage Area 3.</li> <li>Small Facilities - Submit Northeast Corner Waste Handling Plan to Regulators for Approval.</li> <li>Tank W1A - Complete Tank W1A source Removal Action Operational Readiness Review</li> </ul>
Q2 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>Burial Grounds - Demobilization from Solid Waste Storage Area 3.</li> <li>Small Facilities - Regulators Approve Northeast Corner Waste Handling Plan.</li> </ul>
Q3 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>Tank W1A - Complete Tank W1A TRU Waste removal and packaging.</li> <li>Tank W1A - Complete Tank W1A Low Level Waste disposition to Nevada Test Site.</li> <li>Burial Grounds/Bethel Valley Ground Water - Submit Solid Waste Storage Area 1 and 3 PCCR to Regulators for Review.</li> <li>Small Facilities - Corrective Measures/Remedial Action Complete</li> </ul>
Q4 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>3026/3038 - Complete Demo 3026 C/D Hot Cells.</li> </ul>
Fourth Year Performance Target	<b>By the end of FY 2012:</b> <ul style="list-style-type: none"> <li>Complete removal and disposal of 320 cubic meters contaminated soils.</li> <li>Complete removal and disposal of legacy materials from ~8,000 square feet.</li> </ul>
Q1 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>Tank W1A - Complete preparation of Tank W1A Removal Action Report.</li> <li>Tank W1A - Complete Tank W1A TRU Waste disposition at Waste Isolation Pilot Plant.</li> <li>3026/3038 - Submit 3026/3028/2026 Phased Construction Completion Report to Core Team for Review.</li> <li>3026/3038 - Complete 3038 Legacy Material Disposition.</li> </ul>

**Table 6b. ORNL Defense Legacy Waste Removal Detailed ARRA-Specific Project Performance Measures and Targets**

ORNL Defense Legacy Waste Removal OR-0042R1.1												
	FY 2009 Q3 Target	FY 2009 Q4 Target	FY 2010 Q1 Target	FY 2010 Q2 Target	FY 2010 Q3 Target	FY 2010 Q4 Target	FY 2011 Q1 Target	FY 2011 Q2 Target	FY 2011 Q3 Target	FY 2011 Q4 Target	FY 2012 Yearly Target	Total ARRA Target
Metrics to be developed after definitization of IDIQ contract baseline.												

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**Table 6c. ORNL Defense Facility Demolition Detailed ARRA-Specific Project Performance Measures and Targets**

<b>ORNL Defense Facility Demolition OR-0042R1.2</b>												
	FY 2009 Q3 Target	FY 2009 Q4 Target	FY 2010 Q1 Target	FY 2010 Q2 Target	FY 2010 Q3 Target	FY 2010 Q4 Target	FY 2011 Q1 Target	FY 2011 Q2 Target	FY 2011 Q3 Target	FY 2011 Q4 Target	FY 2012 Yearly Target	Total ARRA Target
Buildings Demolished	0	0	1	0	0	0	0	0	0	0	0	1
D&D Debris and Remediated Soil Disposed (MLLW, LLW, Industrial) (m3)	0	0	2,890	0	0	0	0	0	0	0	0	2,890
Facility Square Footage Demolished	0	0	24,400	0	0	0	0	0	0	0	0	24,400
Radioactive Facility Completions	0	0	1	0	0	0	0	0	0	0	0	1
Additional metrics to be developed after definitization of IDIQ contract baseline.												

**Table 6d. ORNL Defense Remedial Actions Detailed ARRA-Specific Project Performance Measures and Targets**

<b>ORNL Defense Remedial Actions OR-0042R1.3</b>												
	FY 2009 Q3 Target	FY 2009 Q4 Target	FY 2010 Q1 Target	FY 2010 Q2 Target	FY 2010 Q3 Target	FY 2010 Q4 Target	FY 2011 Q1 Target	FY 2011 Q2 Target	FY 2011 Q3 Target	FY 2011 Q4 Target	FY 2012 Yearly Target	Total ARRA Target
D&D Debris and Remediated Soil Disposed (MLLW, LLW, Industrial) (m3)	0	0	0	0	0	0	0	213	243	27	0	483
Remediation Complete	0	0	0	0	0	0	0	0	0	1	0	1
RH-TRU Dispositioned (m3)	0	0	0	0	0	0	0	95	95	0	0	190
Site Remediated/ Footprint Reduction (ft2)	0	0	0	0	0	0	0	0	0	750	0	750
Total TRU Dispositioned	0	0	0	0	0	0	0	95	95	0	0	190

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(Sum of RH-TRU and CH-TRU) (m3)												
Underground tanks removed	0	0	0	0	0	0	0	0	1	0	0	1
Groundwater Wells Installed	0	0	4	8	4	0	0	0	0	0	0	16
Additional metrics to be developed after definitization of IDIQ contract baseline.												

### Table 7: National Strategic Benefits

Information on National Security Benefits Under the Recovery Act is not applicable to this project.

## IV. MANAGEMENT

### Secretarial-level Items

The initiative outlined in this plan support the following Secretary of Energy's Priorities:

- Economic Prosperity
- National Security and Legacy

### Table 8: Secretary's Priorities

Secretary's Priorities	Project Impacts (Qualitative)	Project Impacts (Quantitative)
Science and Discovery		
Clean, Secure Energy		
Economic Prosperity	Jobs	Create and/or preserve jobs
National Security and Legacy	Removal of legacy material and remediation of high risk contaminated sites and facilities at Oak Ridge National Laboratory. Demolish contaminated facilities.	Remove and dispose of 320 cubic meters contaminated soils. Decrease foot print by 55,000 square feet. Provide hydraulic isolation for 20 acres of solid waste burial grounds. Remove and dispose legacy materials from ~8,000 square feet.
Climate Change		

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### **Collaboration and Coordination:**

The following external partners will play a vital role in the successful completion of the Recovery Act scope:

- Regulatory
  - Environmental Protection Agency, Region IV
  - Tennessee Department of Environmental Conservation
  - Tennessee Department of Transportation
  - Defense Nuclear Facilities Safety Board
- License Disposal Sites
  - Waste Isolation Pilot Plant, New Mexico
  - Nevada Test Site
  - Energy Solutions, Utah
  - Other Available Commercial Facilities
- Other Stakeholders
  - Oak Ridge Site Specific Advisory Board

### **Federal Infrastructure Investments:**

There are no infrastructure investment project activities associated with this Recovery Act Project.

However, ancillary benefits will be achieved through the elimination of facilities resulting in reduced electrical power consumption and corresponding reduction of greenhouse gas emissions. Reuse/Recycle of excess materials could result in reduced consumption in fossil fuels required to process raw materials.

These facilities contain hazardous or radiological material. Accelerating the removal and proper disposal reduces risk of releases of this material to the environment

### **Line Management:**

Oak Ridge will use existing business and project management systems and practices to effectively monitor and report on the Recovery Act projects, including:

- Fully implement all Recovery Act transparency and reporting requirements through modifications to the contract that will fund this Recovery Act Project.
- Continue applying project management principles to Recovery Act Project execution, including reviewing and validating Environmental Management project cost and schedule baselines consistent with the Department of Energy's Order 413.3A and identifying project risks and strategies for managing them.
- Continue monitoring of the contractors' Earned Value Management System reports to ensure the Recovery Act Project is on track and, if not or if trends are in a negative direction, to develop and implement corrective actions.

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- Use an Integrated Project Team of Federal and contractor staff with project knowledge and subject matter expertise essential to the successful planning and execution of the project – including safety, risk management, engineering, quality assurance, contracts administration, and project controls.
- Conduct periodic project reviews to inform senior management of the status of the Recovery Act projects.

### **Needs from Staff Offices:**

- Timely business clearance approval or waiver from Headquarters for large procurement actions.
- Priority execution of security clearance requests.

### **1) Human Capital**

Oak Ridge is committed to ensuring the safety of workers and the public during the accomplishment of the additional work under the Recovery Act, and additional measures and personnel are required beyond those currently in place. Accordingly, the current Environmental Management contractor (i.e., Bechtel Jacobs Company LLC) who will be performing work funded under Recovery Act has an existing Safety Assurance Plan. The Oak Ridge Office also plans to utilize Indefinite Delivery Indefinite Quantity contracts to perform some of the Recovery Act funded work. Since these task orders are not in place at this time, safety assurance plans do not exist for these work items. However, as we develop requirements for the Indefinite Delivery Indefinite Quantity contracts, we will include the development of Safety Assurance Plans, as one of these requirements.

We have completed our staffing analysis to ensure we are able to perform adequate oversight of this work to ensure the safety of workers and the public. Oversight plans have been established and as additional work is mobilized, staffing requirements are reviewed. Additional requirements for Facility Representatives, Safety System Subject Matter Experts, project control engineers/specialists, estimators, and schedulers will be determined and provided as necessary through Technical Support Services Contract(s).

**Table 9: Information on Hiring Under the Recovery Act**

<b># &amp; Type of Positions</b> (Title, Series and Grade)	<b>Location</b> (HQ or Field – w/location)	<b>Federal or Contractor</b>	<b>Timeframe</b> (1-6mos; 6+mos; other; specify date needed if possible)
Contract Specialist (2)	Oak Ridge	Federal	FY 09 to FY 11
Accountant (1)	Oak Ridge	Federal	FY 09 to FY 11
Internal Auditor (1)	Oak Ridge	Federal	FY 09 to FY 11

Note: These positions represent the total additional requirements for all Oak Ridge Recovery Act projects and are therefore not included in other Oak Ridge Project Operating Plans.

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### 2) Procurement

Work to be completed through Environmental Management Consolidated Business Center Indefinite Delivery Indefinite Quantity contracts, existing Management and Integration contractor and facility and operating contractor.

**Table 10: Procurement Plans:**

Activity	Type	New/Exist (N/E)	Changes (E), Needs (N)	Status	Expected Complete	Issues (Y/N)
Modification including definitization of change order for Bechtel Jacobs Company contract	Contract	Existing	Modification	Modification executed March 2010	N/A	N
Issue funding modification for the University of Tennessee Battelle contract	Contract	Existing	Modification	Funding modification executed Sept 2009	N/A	N
Award EM CBC Bethel Valley Burial Grounds Indefinite Delivery Indefinite Quantity contract task order	Task Order	New Task	Indefinite Delivery Indefinite Quantity contract	Task order awarded September 2009	N/A	N
Award EM CBC Facilities D&D Indefinite Delivery Indefinite Quantity contract task order	Task Order	New Task	Indefinite Delivery Indefinite Quantity contract	Task order awarded March 2010	N/A	N
Award EM CBC Hot Cells D&D Indefinite Delivery Indefinite Quantity contract task order	Task Order	New Task	Indefinite Delivery Indefinite Quantity contract	Task order awarded April 2010	N/A	N

Other procurement actions that will be required include analytical and technical support.